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Scattering Pretest

University of Colorado

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Please type your name in the form: Last, First:

Required.

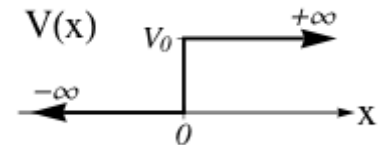
NOTE!! Please type in your CU userid (that's the username you use to log in to CULearn. We do NOT want your password. It probably looks like your last name, perhaps with a few extra characters. Note that it is definitely NOT your numerical (9 digit) student ID!!

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For the two questions below, consider the graph of the potential energy for a one-dimensional system as shown at the right. $V(x) = 0$ for $x < 0$ and $V(x) = V_0$ for $x > 0$.



Q1: Describe in words the boundary conditions for this system for a situation which describes particles which approach from the right.

Required.

Q2: Consider the transmission coefficient, (T) for this system (i.e., the probability that a particle entering from $+\infty$ will travel into region $x < 0$). Using physical arguments, but without carrying out calculations, what can you say qualitatively about T ?

Required.



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Submit responses

Questions or Comments?

Contact the 123 tutorial pretest coordinator at uwttl123@u.washington.edu

